



# HYPLUS PRESSURE BOILER

## PRESSURELESS STEAMER & ELECTRIC BOILER MODEL HY-6SE

Steamer shall be a Groen HyPLUS Model HY-6SE stainless steel twin cavity 6 pan pressureless steamer, with cabinet mounted (specify 24, 36, or 48 KW) electric steam boiler.

PROJECT NAME:

LOCATION:

ITEM NO:

QTY:

MODEL NO:

AIA NO:

SIS NO:

**CONSTRUCTION:** Steamer cavities and cabinet base shall be all stainless steel construction. Steamer unit shall have a unitized body, with removable right side panel providing access to internal components. Steamer doors are all stainless steel with strong continuous hinge and are field reversible for left or right swing. Doors shall be insulated and provided with a one piece, replaceable seal. Easy open handle and latch shall provide positive lock and seal when door is pushed or slammed shut. Hidden magnetic door switch cuts power to blower and steam flow to that cavity, when the door is opened. Pan support racks shall be polished stainless steel and removable for easy cleaning. Wide drip sink with condensate drain is positioned under cavity doors. 24" wide cabinet base shall have stainless steel frame with all stainless steel top deck, with removable front access panel, side and rear panels standard. Front and rear legs shall have adjustable bullet feet.

**FINISH:** Cabinet exterior including doors shall be finished to a #3 uniform finish. Cavity interiors are polished stainless steel. Control panel face plates shall be smudge resistant polyester film, ensuring maximum ease in cleaning and maintaining a brilliant finish.

**ASME CODE & UL LISTING:** Cabinet mounted boiler shall be A.S.M.E. Code constructed and National Board registered for operation up to 15 PSI. Steamer unit and cabinet mounted boiler shall be U.L. listed.

**SANITATION:** Unit shall be designed and constructed to meet NSF and known health department and sanitation codes and be NSF listed.

**CONTROLS:** Steamer cavity controls shall be mounted on the front panel for easy replacement or repair and will include separate ON-OFF/60 minute timer control with constant steam setting, for each cavity. Electric boiler shall be provided with a power-ON switch, RESET light, start switch, low water sensor, pop safety valve, water level sight glass and outside cabinet mounted pressure gauge.

**PERFORMANCE FEATURES:** Unit will shut off if water level is low or unit builds too much pressure. When power switch is turned "off", the boiler automatically drains to reduce sediment build-up, after water has cooled to 170°F. Each steamer cavity shall have a powerful side mounted

blower, which increases steam velocity and provides efficient steam distribution throughout cavity and between loaded pans.

**CABINET BASE STEAM SOURCE:** Unit shall have an electric heated cabinet mounted pressure boiler to provide atmospheric steam to each chamber at a temperature of approximately 212°F. The 24KW model delivers 2.2 boiler horsepower, the 36KW model delivers 3.5 boiler horsepower and the 48 KW model delivers 4.7 boiler horsepower.

### PAN CAPACITY:

Pan Size/Type	Per cavity	Total
12 x 20 x 1"	6	12
12 x 20 x 2-1/2"	3	6
12 x 20 x 4"	2	4

**INSTALLATION:** Specify 208, 240 or 480 Volt, 3 phase, 60 cycle electrical service. Unit requires two 1/2" NPT cold water supply lines and 1-1/4" NPT free venting drain.

**STEAM SOURCE FOR ADJACENT EQUIPMENT:** A 1/2" NPT power take-off valve shall be standard. To ensure proper performance, boiler must be properly sized to meet boiler horsepower requirements of steamer cavities AND additional equipment. Appropriate steam traps and piping must be professionally installed.

**WATER SUPPLY REQUIREMENTS:** All water boiler systems are subject to contamination and failure due to mineral content found in most water supplies. To minimize service problems, a water treatment (softening) system is recommended when water quality is found to exceed limits stated below and in operator manual. Recommended MINIMUM water quality standards are: Total dissolved solids (TDS) content should not exceed 30 parts per million; and the water pH should be 7.0 to 9.0.

**ORIGIN OF MANUFACTURE:** Designed and manufactured in the United States.

6-Pan capacity stainless steel pressureless steamer, with electric pressure boiler in cabinet base. (model HY-6SE shown)

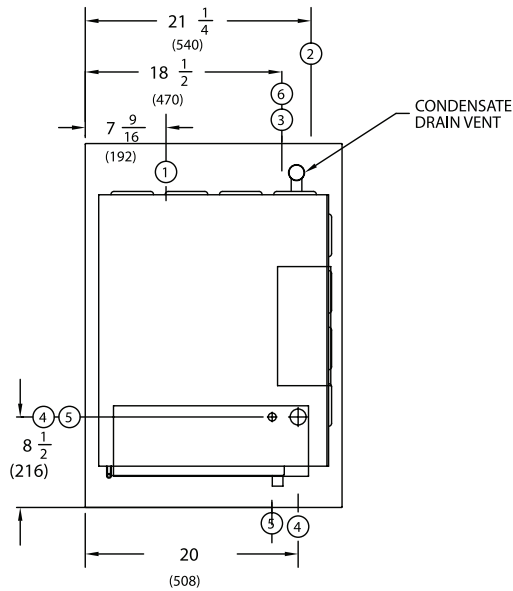


### OPTIONS/ACCESSORIES:

- Flanged mounting feet
- Single water connection

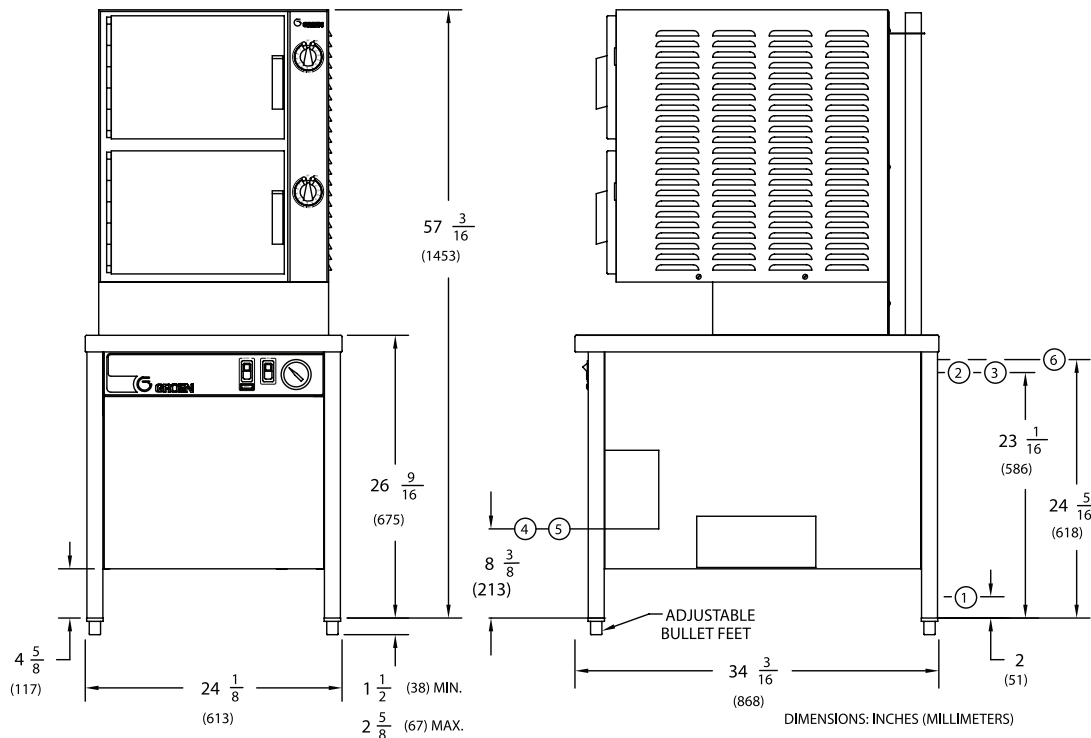
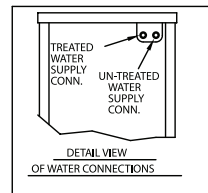


P/N C-9390-187 REV C



	MAXIMUM HEATER ELEMENT CURRENT *		
	208V	240V	480V
24KW	67A	58A	29A
36KW	100A	87A	44A
48KW	134A	116A	58A

\* AMPS (EACH LINE). 3 PHASE



**SERVICE CONNECTIONS:**

- ① DRAIN CONNECTION: 1 1/4"(42) NPT (INCLUDES AUTOMATIC & MANUAL BOILER, STEAMERS, & CONDENSATE SPRAY)
- ② TREATED WATER SUPPLY: 1/2"(21) NPT FOR BOILER
- ③ UNTREATED WATER SUPPLY: 1/2"(21) NPT FOR CONDENSATE
- ④ MAIN ELECTRICAL CONNECTION ( ALL UNITS): 1 31/32"(50) DIA. HOLE (REF. 1 1/2" CONDUIT KNOCK-OUT)
- ⑤ AUX. ELECTRICAL CONNECTION (208V/240V 48KW ONLY): 1 3/32"(28) DIA. HOLE (REF. 3/4" CONDUIT KNOCK-OUT)
- ⑥ STEAM POWER TAKE-OFF: 1/2"(21) NPT